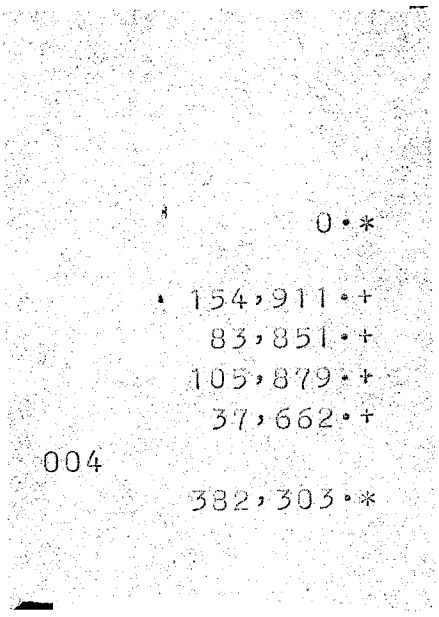
PASSAIC VALLEY SEWERAGE COMMISSIONERS
APPLICATION FOR A SEWER USE PERMIT

SECTION A

1. Company Name: Polaris Plating Inc.
2. Permit Number if applicable: 27200018
3. Location: ~~36~~ 200 - Keen St.
   Paterson NJ Zip Code: 07524
4. Mailing Address: Same
   Zip Code:
5. Person to contact concerning information provided in this application:
   Name of Contact Official: Brenda Zemo or Frank J. Zemo
   Title: Environmental Rep (EHS) Plant Mgr. Phone No.: 973 278 0033
   Address: Same Zip code:
6. Number of Employees – Full Time: 3 Part Time:
   Number of Work Days Per Year: 250
   Number of Shifts Per Day: one
7. If property is owned indicate block and lot number(s): C0314 Lot 2
   new #s 2802 Lot 2
   Assessed Value: $780,000.00
8. If property is rented indicate name and address of owner: Frank J. Zemo
   3 medici dr. manchester NJ.
   Total square feet rented: 15,000 Polaris Plating pays rent to FJZ
9. List NJPDES Permit Number if applicable, n/a and
   Name of receiving Body of Water entered n/a


0.*
154,911.+
83,851.+
105,879.+
37,662.+
004
382,303.*

SECTION B

WATER DATA

10. Water Source: (Circle all appropriate answers)

Purchased	(Y) - N		
Well	Y - N	If Y, is it metered	Y - N
River	Y - N	If Y, is it metered	Y - N

11. Name of purchased water supplier: Passaic Valley Water Commission
List all Account #'s: 24647-86364

12. Water Received: From Mo. 10/12 Yr. 04 Through Mo. 10/13 Yr. 05 .
(* Next to a figure means it is estimated).

	PURCHASED	WELL	RIVER	TOTAL
1st Qtr.	154911			154911
2nd Qtr.	83851			83851
3rd Qtr.	105879			105879
4th Qtr.	37662			37662

GRAND TOTAL ~~381662~~ 382303.00

Report in gallons

13. Water Use and Disposition (*Next to a figure means it is estimated).

	Gallons Sanitary/Combined Sewer	Discharged Stormwater/River/ Ditch	Gallons Used Other
Sanitary service only	*~~382302~~ 15,000		
Process waste waster	348,937.85		
Cooling water			
Evaporation			18,365.15
Contained in the product			
Other (describe)			

Note: we calculate discharge by the calendar month. PVWC calculates by quarter & begins in the middle of the month.

GRAND TOTAL 382303.00

APPENDIX
IV

Form Approved
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PERMIT NO. NJU 200430

SECTION L - Effluent/Receiving Water Observations *(Further explanation attached _____)*

OUTFALL NO.	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	VISIBLE FLOAT SOL	COLOR	OTHER
discharge to PVSC	none					light green	

(Sections M and N: Complete as appropriate for sampling inspections)

SECTION M - Sampling Inspection Procedures and Observations *(Further explanation attached _____)*

- ☐ GRAB SAMPLES OBTAINED
- ☐ COMPOSITE OBTAINED
- ☐ FLOW PROPORTIONED SAMPLE
- ☐ AUTOMATIC SAMPLER USED
- ☐ SAMPLE SPLIT WITH PERMITTEE
- ☐ CHAIN OF CUSTODY EMPLOYED
- ☐ SAMPLE OBTAINED FROM FACILITY SAMPLING DEVICE

COMPOSITING FREQUENCY _____ PRESERVATION _____

SAMPLE REFRIGERATED DURING COMPOSITING: ☐ YES ☐ NO

LE REPRESENTATIVE OF VOLUME AND NATURE OF DISCHARGE _____

CTION N - Analytical Results *(Attach report if necessary)*

Form 3560-3 (9-77)

PAGE 4 OF 4

Form Approved
OMB No. 158-R0073

PERMIT NO. NJU200430

SECTION J - Compliance Schedules

PERMITTEE IS MEETING COMPLIANCE SCHEDULE. ☐ YES ☐ NO ☑ N/A *(Further explanation attached _____)*

CHECK APPROPRIATE PHASE(S):

- ☐ (a) THE PERMITTEE HAS OBTAINED THE NECESSARY APPROVALS FROM THE APPROPRIATE AUTHORITIES TO BEGIN CONSTRUCTION.
- ☐ (b) PROPER ARRANGEMENT HAS BEEN MADE FOR FINANCING *(mortgage commitments, grants, etc.)*.
- ☐ (c) CONTRACTS FOR ENGINEERING SERVICES HAVE BEEN EXECUTED.
- ☐ (d) DESIGN PLANS AND SPECIFICATIONS HAVE BEEN COMPLETED.
- ☐ (e) CONSTRUCTION HAS COMMENCED.
- ☐ (f) CONSTRUCTION AND/OR EQUIPMENT ACQUISITION IS ON SCHEDULE.
- ☐ (g) CONSTRUCTION HAS BEEN COMPLETED.
- ☐ (h) START-UP HAS COMMENCED.
- ☐ (i) THE PERMITTEE HAS REQUESTED AN EXTENSION OF TIME.

SECTION K - Self-Monitoring Program

Part 1 – Flow measurement *(Further explanation attached _____)*			
PERMITTEE FLOW MEASUREMENT MEETS THE REQUIREMENTS AND INTENT OF THE PERMIT.	☑ YES	☐ NO	☐ N/A
DETAILS:			
(a) PRIMARY MEASURING DEVICE PROPERLY INSTALLED.	☑ YES	☐ NO	☐ N/A
TYPE OF DEVICE: ☐ WEIR ☐ PARSHALL FLUME ☐ MAGMETER ☐ VENTURI METER ☐ OTHER *(Specify Water Meter)*			
(b) CALIBRATION FREQUENCY ADEQUATE. *(Date of last calibration _____)*	☑ YES	☐ NO	☐ N/A
(c) PRIMARY FLOW MEASURING DEVICE PROPERLY OPERATED AND MAINTAINED.	☑ YES	☐ NO	☐ N/A
(d) SECONDARY INSTRUMENTS *(totalizers, recorders, etc.)* PROPERLY OPERATED AND MAINTAINED.	☐ YES	☐ NO	☑ N/A
(e) FLOW MEASUREMENT EQUIPMENT ADEQUATE TO HANDLE EXPECTED RANGES OF FLOW RATES.	☐ YES	☐ NO	☑ N/A
Part 2 – Sampling *(Further explanation attached _____)*			
PERMITTEE SAMPLING MEETS THE REQUIREMENTS AND INTENT OF THE PERMIT.	☑ YES	☐ NO	☐ N/A
DETAILS:			
(a) LOCATIONS ADEQUATE FOR REPRESENTATIVE SAMPLES.	☑ YES	☐ NO	☐ N/A
(b) PARAMETERS AND SAMPLING FREQUENCY AGREE WITH PERMIT.	☑ YES	☐ NO	☐ N/A
(c) PERMITTEE IS USING METHOD OF SAMPLE COLLECTION REQUIRED BY PERMIT.	☑ YES	☐ NO	☐ N/A
IF NO, ☐ GRAB ☐ MANUAL COMPOSITE ☐ AUTOMATIC COMPOSITE FREQUENCY _____			
(d) SAMPLE COLLECTION PROCEDURES ARE ADEQUATE.	☑ YES	☐ NO	☐ N/A
(i) SAMPLES REFRIGERATED DURING COMPOSITING	☐ YES	☐ NO	☑ N/A
(ii) PROPER PRESERVATION TECHNIQUES USED	☑ YES	☐ NO	☐ N/A
(iii) FLOW PROPORTIONED SAMPLES OBTAINED WHERE REQUIRED BY PERMIT	☐ YES	☐ NO	☑ N/A
(iv) SAMPLE HOLDING TIMES PRIOR TO ANALYSES IN CONFORMANCE WITH 40 CFR 136.3	☑ YES	☐ NO	☐ N/A
(e) MONITORING AND ANALYSES BEING PERFORMED MORE FREQUENTLY THAN REQUIRED BY PERMIT.	☐ YES	☑ NO	☐ N/A
(f) IF (e) IS YES, RESULTS ARE REPORTED IN PERMITTEE'S SELF-MONITORING REPORT.	☐ YES	☐ NO	☐ N/A
Part 3 – Laboratory *(Further explanation attached _____)*			
PERMITTEE LABORATORY PROCEDURES MEET THE REQUIREMENTS AND INTENT OF THE PERMIT.	☑ YES	☐ NO	☐ N/A
DETAILS:			
(a) EPA APPROVED ANALYTICAL TESTING PROCEDURES USED. *(40 CFR 136.3)*	☑ YES	☐ NO	☐ N/A
(b) IF ALTERNATE ANALYTICAL PROCEDURES ARE USED, PROPER APPROVAL HAS BEEN OBTAINED.	☐ YES	☐ NO	☐ N/A
(c) PARAMETERS OTHER THAN THOSE REQUIRED BY THE PERMIT ARE ANALYZED.	☑ YES	☐ NO	☐ N/A
(d) SATISFACTORY CALIBRATION AND MAINTENANCE OF INSTRUMENTS AND EQUIPMENT.	☑ YES	☐ NO	☐ N/A
(e) QUALITY CONTROL PROCEDURES USED.	☑ YES	☐ NO	☐ N/A
(f) DUPLICATE SAMPLES ARE ANALYZED. 5 % OF TIME.	☑ YES	☐ NO	☐ N/A
(g) SPIKED SAMPLES ARE USED. 5 % OF TIME.	☑ YES	☐ NO	☐ N/A
(h) COMMERCIAL LABORATORY USED.	☑ YES	☐ NO	☐ N/A
(i) COMMERCIAL LABORATORY STATE CERTIFIED.	☑ YES	☐ NO	☐ N/A

LAB NAME: Southmall	WATER Work
LAB ADDRESS: 26 North Mall, Plainview, NY 11803	364 Glenwood Avenue E. Orange, NJ 07017
(516) 293-2191	(973) 675-3787

Form Approved
OMB No. 158 - R0073

Sections F thru L: Complete on all inspections, as appropriate. N/A = Not Applicable

PERMIT NO. NJU200430

SECTION F - Facility and Permit Background

ADDRESS OF PERMITTEE IF DIFFERENT FROM FACILITY *(Including City, County and ZIP code)*	DATE OF LAST PREVIOUS INVESTIGATION BY EPA/STATE
	FINDINGS

SECTION G - Records and Reports

RECORDS AND REPORTS MAINTAINED AS REQUIRED BY PERMIT. ☑ YES ☐ NO ☐ N/A *(Further explanation attached _____)*

DETAILS:

(a) ADEQUATE RECORDS MAINTAINED OF:			
(i) SAMPLING DATE, TIME, EXACT LOCATION	☑ YES	☐ NO	☐ N/A
(ii) ANALYSES DATES, TIMES	☑ YES	☐ NO	☐ N/A
(iii) INDIVIDUAL PERFORMING ANALYSIS	☑ YES	☐ NO	☐ N/A
(iv) ANALYTICAL METHODS/TECHNIQUES USED	☑ YES	☐ NO	☐ N/A
(v) ANALYTICAL RESULTS *(e.g., consistent with self-monitoring report data)*	☑ YES	☐ NO	☐ N/A
(b) MONITORING RECORDS *(e.g., flow, pH, D.O., etc.)* MAINTAINED FOR A MINIMUM OF THREE YEARS INCLUDING ALL ORIGINAL STRIP CHART RECORDINGS *(e.g. continuous monitoring instrumentation, calibration and maintenance records)*.	☑ YES	☐ NO	☐ N/A
(c) LAB EQUIPMENT CALIBRATION AND MAINTENANCE RECORDS KEPT.	☑ YES	☐ NO	☐ N/A
(d) FACILITY OPERATING RECORDS KEPT INCLUDING OPERATING LOGS FOR EACH TREATMENT UNIT.	☑ YES	☐ NO	☐ N/A
(e) QUALITY ASSURANCE RECORDS KEPT.	☑ YES	☐ NO	☐ N/A
(f) RECORDS MAINTAINED OF MAJOR CONTRIBUTING INDUSTRIES *(and their compliance status)* USING PUBLICLY OWNED TREATMENT WORKS.	☐ YES	☐ NO	☑ N/A

SECTION H - Permit Verification

INSPECTION OBSERVATIONS VERIFY THE PERMIT. ☑ YES ☐ NO ☐ N/A *(Further explanation attached _____)*

DETAILS:

(a) CORRECT NAME AND MAILING ADDRESS OF PERMITTEE.	☑ YES	☐ NO	☐ N/A
(b) FACILITY IS AS DESCRIBED IN PERMIT.	☑ YES	☐ NO	☐ N/A
(c) PRINCIPAL PRODUCT(S) AND PRODUCTION RATES CONFORM WITH THOSE SET FORTH IN PERMIT APPLICATION.	☐ YES	☐ NO	☑ N/A
TREATMENT PROCESSES ARE AS DESCRIBED IN PERMIT APPLICATION.	☐ YES	☐ NO	☑ N/A
(e) NOTIFICATION GIVEN TO EPA/STATE OF NEW, DIFFERENT OR INCREASED DISCHARGES.	☐ YES	☐ NO	☑ N/A
(f) ACCURATE RECORDS OF RAW WATER VOLUME MAINTAINED.	☐ YES	☐ NO	☑ N/A
(g) NUMBER AND LOCATION OF DISCHARGE POINTS ARE AS DESCRIBED IN PERMIT. to PVSC	☑ YES	☐ NO	☐ N/A
(h) CORRECT NAME AND LOCATION OF RECEIVING WATERS. to PVSC	☑ YES	☐ NO	☐ N/A
(i) ALL DISCHARGES ARE PERMITTED.	☑ YES	☐ NO	☐ N/A

SECTION I - Operation and Maintenance

TREATMENT FACILITY PROPERLY OPERATED AND MAINTAINED. ☑ YES ☐ NO ☐ N/A *(Further explanation attached _____)*

DETAILS:

(a) STANDBY POWER OR OTHER EQUIVALENT PROVISIONS PROVIDED.	☑ YES	☐ NO	☐ N/A
(b) ADEQUATE ALARM SYSTEM FOR POWER OR EQUIPMENT FAILURES AVAILABLE. standalone equipment	☑ YES	☐ NO	☐ N/A
(c) REPORTS ON ALTERNATE SOURCE OF POWER SENT TO EPA/STATE AS REQUIRED BY PERMIT.	☐ YES	☐ NO	☑ N/A
(d) SLUDGES AND SOLIDS ADEQUATELY DISPOSED. Sizzle, Canada by Ralco trucking	☑ YES	☐ NO	☐ N/A
(e) ALL TREATMENT UNITS IN SERVICE.	☑ YES	☐ NO	☐ N/A
(f) CONSULTING ENGINEER RETAINED OR AVAILABLE FOR CONSULTATION ON OPERATION AND MAINTENANCE PROBLEMS.	☐ YES	☑ NO	☐ N/A
(g) QUALIFIED OPERATING STAFF PROVIDED.	☑ YES	☐ NO	☐ N/A
(h) ESTABLISHED PROCEDURES AVAILABLE FOR TRAINING NEW OPERATORS.	☑ YES	☐ NO	☐ N/A
(i) FILES MAINTAINED ON SPARE PARTS INVENTORY, MAJOR EQUIPMENT SPECIFICATIONS, AND PARTS AND EQUIPMENT SUPPLIERS.	☑ YES	☐ NO	☐ N/A
(j) INSTRUCTIONS FILES KEPT FOR OPERATION AND MAINTENANCE OF EACH ITEM OF MAJOR EQUIPMENT.	☑ YES	☐ NO	☐ N/A
(k) OPERATION AND MAINTENANCE MANUAL MAINTAINED.	☑ YES	☐ NO	☐ N/A
(l) SPCC PLAN AVAILABLE.	☐ YES	☐ NO	☑ N/A
(m) REGULATORY AGENCY NOTIFIED OF BY PASSING. *(Dates _____ _____)*	☐ YES	☐ NO	☑ N/A
ANY BY-PASSING SINCE LAST INSPECTION.	☐ YES	☐ NO	☑ N/A
ANY HYDRAULIC AND/OR ORGANIC OVERLOADS EXPERIENCED.	☐ YES	☐ NO	☑ N/A

EPA FORM [illegible]-77.

EPA

United States Environmental Protection Agency
Washington, D.C. 20460

Water Compliance Inspection Report

Form Approved.
OMB No. 2040-0057
Approval expires 8-31-98

Section A: National Data System Coding (i.e., PCS)

Transaction Code	NPDES	yr/mo/day	Inspection Type	Inspector	Fac Type
1 V 2 5	3 NJU 200 4 3 9 11	12 04 05 12 17	18 2	19 R	20 2

Remarks

21 ... 66

Inspection Work Days	Facility Self-Monitoring Evaluation Rating	B1	QA	Reserved
67 ... 69	70	71	72	73 74 75 ... 80

Section B: Facility Data

Name and Location of Facility Inspected *(For industrial users discharging to POTW, also include POTW name and NPDES permit number)*	Entry Time/Date	Permit Effective Date
Polaris Plating, Inc. 200 Keen Street Paterson, NJ	8:10 am 12 May 2004	20 Oct 2001
	Exit Time/Date	**Permit Expiration Date**
	1:00 pm 12 May 2004	30 Sep 2006

Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)	Other Facility Data
Frank R. Zemo Brenda Zemo	

Name, Address of Responsible Official/Title/Phone and Fax Number	Contacted
Frank Zemo	☑ Yes ☐ No

Section C: Areas Evaluated During Inspection *(Check only those areas evaluated)*

☑ Permit	☐ Flow Measurement	☑ Operations & Maintenance	☐ CSO/SSO (Sewer Overflow)
☑ Records/Reports	☑ Self-Monitoring Program	☐ Sludge Handling/Disposal	☑ Pollution Prevention
☑ Facility Site Review	☐ Compliance Schedules	☑ Pretreatment	☐ Multimedia
☑ Effluent/Receiving Waters	☐ Laboratory	☐ Storm Water	☐ Other:

Section D: Summary of Findings/Comments *(Attach additional sheets of narrative and checklists as necessary)*

See P2 and CSI reports for this facility conducted on 12 May 2004

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Phone and Fax Numbers	Date
Lampros E. Bourodimos	USEPA - 2DESA - MAB	12 May 2004
Lampros E. Bourodimos	MOS	
	(732) 321-6704	

Signature of Management Q A Reviewer	Agency/Office/Phone and Fax Numbers	Date
John Rushton	EPA/DESA.MAB/732-321-6681/6686	11/29/2004

EPA Form 3560-3 (Rev 9-94) Previous editions are obsolete.

EPA Request #: III.B.1.f.

US EPA REGION 2 LABORATORY

Page 1 of 1 pages

CHAIN OF CUSTODY/ FIELD DATA FORM

SURVEY NAME & LOCALITY Polaris Plating, Inc. PROJECT LEADER Bourodimos

PROGRAM: SF ☐ : SITE ID _____ OPERABLE UNIT _____ PROGRAM RESULTS CODE _____

Permit # PreTreatment RCRA ☐ NPDES ☒ SDWA ☐ AM ☐ CAA ☐ TSCA ☐ ENFORCEMENT: CRIMINAL ☐ CIVIL ☒

LAB ID/ FIELD ID	# OF CONTERS	MATRIX	SPECIAL REQUIREMENTS? 1/2	DESCRIPTION & INSTRUCTIONS INCLUDING LOCATION, ESTIMATED CONCENTRATIONS, SPECIAL REPORTING LIMITS, SPECIAL TEST REQUIREMENTS & ALIQUOTING	Preservative (circle)	Collection Time (24hr clock) Begin	Collection Time (24hr clock) End	Collection Date mm/dd/yy
0512VOABK	3	~~A~~ (W)		40 ml vials for VOA analysis	1 2 3 4 5 6 7 8 9	—	0750	05/12/04
0512VOA	12	B	☐	4 sets of 3x40 ml VOA vials To be lab Composited	1 2 3 4 5 6 7 8 9	0755	1210	
0512Metals	1	B	☐	500 ml plastic for Metals: Cd, Cr, Cu, Pb, Ni, Ag, Zn, Hg	1 2 3 4 5 6 7 8 9	0641	1220	
0512NVOA	2	B	☐	2x 1L Amber glass for NVOA	1 2 3 4 5 6 7 8 9	0700	1210	
0512CN	1	B	☐	250 ml plastic for CN Amenable to chlorine	1 2 3 4 5 6 7 8 9	0700	1210	
			☐		1 2 3 4 5 6 7 8 9			
			☐		1 2 3 4 5 6 7 8 9			
			☐		1 2 3 4 5 6 7 8 9			
			☐		1 2 3 4 5 6 7 8 9			
			☐		1 2 3 4 5 6 7 8 9			

COMMENTS:

Preservative

1=ice
2=H2SO4 pH<2
3=HNO3 pH<2
4=HCl pH<2
5=Na2S2O3
6=NaOH pH>9 1/2
7=Ascorbic Acid
8 = FAS
9=ZnAc

	Time	Date
Person Assuming Responsibility for Sample(s): Kathleen Amiro	12:20	5/12/04
Received By: Debbie Birkel	16:05	05/12/04
Received By:		
Received By:		

Matrix:

A=aqueous
B=aqueous (chlorinated)
C=soil
D=sediment
E=sludge
F=multiphasic
G=solvent
H=biota
I=oil
J=other

Relinquished By: Kathleen Amiro

Relinquished By:

Relinquished By:

Survey Complete? Y ☒ N ☐

PVSC39 - 00000099

Industrial Department

U.S. EPA Region 2 Laboratory
Data Report

Survey Name: POLARIS PLATING, INC.

Project Number: 04050009

*Sorted By Sample ID

AF01477 Field/Station ID: 0512NVOA
Matrix: Aqueous(chlor.)
Sample Description:

Date Received: 5/12/2004

Analysis Type: NVOA GCMS AQUEOUS

CAS Number	Analyte Name	Result	Remark Codes	Units
000117840	DI-N-OCTYL PHTHALATE	---	5.2U	ug/L
000205992	BENZO(B)FLUORANTHENE	---	5.2U	ug/L
000207089	BENZO(K)FLUORANTHENE	---	5.2U	ug/L
000050328	BENZO(A)PYRENE	---	5.2U	ug/L
000193395	INDENO(1,2,3-CD)PYRENE	---	5.2U	ug/L
000053703	DIBENZO(A,H)ANTHRACENE	---	5.2U	ug/L
000191242	BENZO(G,H,I)PERYLENE	---	5.2U	ug/L

AF01478 Field/Station ID: 0512CN
Matrix: Aqueous(chlor.)
Sample Description:

Date Received: 5/12/2004

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
57-12-5	CYANIDE AMENABLE TO CHLORINATION	---	10U	ug/L

Project Approval: _____ **Date:** 7/19/04

Refer to Page 1 for an explanation of Remark Codes
Report Date: 7/19/2004 8:25AM

SECTION B (continued)

14. Process wastewater which is discharged as above is metered as follows:

To the Separate Sanitary Sewer	Y - N
To the Combined Sewer	(Y) - N
To the Storm Sewer	Y - N
River or Ditch	Y - N

15. Waste hauler information: List all firms and/or independent contractors used to remove process waste or sludge from this facility.

Contractor	Address	Icc # Solid waste ID	Waste type handled
Transport Bellex, LTEE	910 Blvd Lionel Boulet Varennes (QC) CANADA J3X1P7	NYF006600053	F006, D002, D005

SECTION C

OPERATIONAL CHARACTERISTICS

16. Discharge of Industrial Waste is continuous _____

or intermittent 8 hours each operating day.

If the discharge is intermittent, it occurs between the following hours: 6 am - 2 pm

17. Brief description of Manufacturing or other activity performed: _____

electroplating of hardware, fasteners, automotive

List SIC CODE #: 3471 NAICS Code 332813

18. Principal Raw Materials used: Zinc, some nickel

19. Principal Products or Services: electroplating of customer's parts. We do not manufacture.

20. Describe seasonal variations, if significant, giving dates, volumes, rates, hours, etc. Include variations in product lines which affect waste characteristics: not subject to seasonal variations

Does this facility shutdown for vacation(s)? yes If so, is it basically the same time each year. yes Provide dates usually shutdown 1st week in July & occassionally one other week which varies.

SECTION D

MONITORING

21. Describe any pretreatment process or effluent monitoring system in use:

Outlet 27200018 pH control, chart recorder, metals hydroxide precipitation system.

Outlet _____

Outlet _____

22. Sampling information:

Outlet	Contains Industrial Waste	Sampler Type	Refrigerated
27200018	yes	masterflex	yes

SECTION E

ANALYSIS OF INDUSTRIAL WASTE

26.* Analysis for Industrial Waste must be a proper sample taken for each outlet.

OUTLET NO. 27200018

Report to the nearest unit: XX. Except where indicated with (1) Example: 15 mg/l			Report to the nearest hundredth: 0.XX Except where indicated Example: 0.36 mg/l		
Code	**Parameter**	**Value**	**Code**	**Parameter**	**Value**
0200*	Radioactivity (PL-1)	n/A	1097*	Antimony (Sb)	n/A
0500	Total Solids	3770	1002*	Arsenic (As)	n/A
0505	Volatile Solids	3200	1022*	Boron (B)	n/a
0530	Total Suspended Solids	4	1027	Cadmium (Cd)	<.001
0540	Volatile Suspended Solids	<10.0	1034*	Chromium Total (Cr)	na
0555	(1)(3) Petroleum Hydrocarbons	<4.0	1042	Copper (Cu)	0.014
0310	Biochemical Oxygen Demand (BOD)	74	1045*	Iron (Fe)	n/a
			1051	Lead (Pb)	<0.003
0340	Chemical Oxygen Demand (COD)	166	0720*(3)	Cyanide (Cn)	<0.1
			1900	Mercury (Report to 0.XXX)	<0.144g
0680	Total Organic Carbon (TOC)	89.1	1067	Nickel (Ni)	0.018
			1147*	Selenium (Se)	n/A
9000	pH(standard unit range)	8.68	1077*	Silver (Ag)	n/A
0610	(1) Ammonia as N	2.53	1102*	Tin (Sn)	n/A
0550	(1)(3) Total Oil & Grease	4.1	1092	Zinc (Zn)	0.146
0745*	(1) Sulfide	n/A	2730	Phenol	
0507*	(1) Ortho Phosphates as P	n/A	4053*	Pesticides (Report to 0.XXX)	n/a
0625*	(1) Kjeldahl N as N	n/a			
9998*	(2)(3) TTO (Report to 0.XXX)		9999*(3)	TTVO (Report to 0.XXX)	n/a

FOOTNOTES:

(1) Report results to the nearest tenth, i.e., 1.6 mg/l.
(*) Analyze for this if reasonably expected to be present in the discharge unless otherwise exempted.

(2) See instructions. 0 - See attached summary 12 mos., 2005. Appendix II

(3) Grab sample required

Rev: 1/87 8/89 7/90 9/94 8/95 11/95 07/98

* Attached is the EPA report. Their analysis tested for every chemical listed in the TRI. - Appendix III

SECTION E

ANALYSIS OF INDUSTRIAL WASTE

26.* Analysis for Industrial Waste must be a proper sample taken for each outlet.

OUTLET NO. 272000018

Report to the nearest unit: XX. Except where indicated with (1) Example: 15 mg/l			Report to the nearest hundredth: 0.XX Except where indicated Example: 0.36 mg/l		
Code	**Parameter**	**Value**	**Code**	**Parameter**	**Value**
0200*	Radioactivity (PL-1)		1097*	Antimony (Sb)	n/A
0500	Total Solids		1002*	Arsenic (As)	n/A
0505	Volatile Solids		1022*	Boron (B)	n/A
o 0530	Total Suspended Solids	4	o 1027	Cadmium (Cd)	<.001
0540	Volatile Suspended Solids		1034*	Chromium Total (Cr)	na
0555	(1)(3) Petroleum Hydrocarbons		o 1042	Copper (Cu)	0.014
o 0310	Biochemical Oxygen Demand (BOD)	74	1045*	Iron (Fe)	n/A
			o 1051	Lead (Pb)	<0.003
0340	Chemical Oxygen Demand (COD)		o 0720*(3)	Cyanide (Cn)	<0.1
			o 1900	Mercury (Report to 0.XXX)	<0.1µg
0680	Total Organic Carbon (TOC)		o 1067	Nickel (Ni)	0.018
			1147*	Selenium (Se)	n/A
9000	pH(standard unit range)		1077*	Silver (Ag)	n/A
0610	(1) Ammonia as N		1102*	Tin (Sn)	n/A
0550	(1)(3) Total Oil & Grease		o 1092	Zinc (Zn)	0.146
0745*	(1) Sulfide	n/A	2730	Phenol	0
0507*	(1) Ortho Phosphates as P	n/A	4053*	Pesticides (Report to 0.XXX)	n/A
0625*	(1) Kjeldahl N as N	n/A			
9998*	(2)(3) TTO (Report to 0.XXX)		9999*(3)	TTVO (Report to 0.XXX)	n/A

FOOTNOTES:

(1) Report results to the nearest tenth, i.e., 1.6 mg/l.
(*) Analyze for this if reasonably expected to be present in the discharge unless otherwise exempted.
(2) See instructions.
(3) Grab sample required

o - See attached summary 12 mos., 2005. Appendix II

Rev: 1/87
8/89
7/90
9/94
8/95
11/95
07/98

* Attached is the EPA report. Their analysis tested for every chemical listed in the TRI. - Appendix III

SECTION D (continued)

23. Volume Information:

Outlet	Daily Flow (Gallons)	Metered (Y - N)	Type	Date
27200018	1524*	No, we do not monitor or measure output - ONLY INPUT per PVWC meters		

*averaged using information from monthly reports to PVSC Oct. 04 through Sept 05

24. Frequency of calibration of each flow meter: _____

25. Attach plot plan of the property showing:

(a) all existing or proposed sewer and drain lines (including outlets to a storm sewer, river or ditch);

(b) sample point(s); Monitoring or Pretreatment Equipment; Incoming meter(s); Well meter(s); Internal meter (s); Flowmeter(s).

(c) details of the connection(s) to the municipal (or PVSC) sewer, including the distance and direction of each connection from the nearest street intersection.

Appendix I
2 pages attached.
one shows the flow of water
the second shows our RCRA diagram.

SECTION F

PRETREATMENT

32. Industrial Category: CFR 413
Subpart (s): _____

33. Compliance date(s): n/a

34. Is facility in compliance? yes If not, and if compliance date has passed, explain actions being taken to get into compliance: _____

35. Date Baseline Monitoring Report (BMR) submitted to PVSC: 1981, January

36. Compliance schedule submitted: n/a
If yes is facility on schedule? n/a Explain if compliance date will not be met: _____

37. Does this facility come under the Resource Conservation and Recovery Act (RCRA)?
If yes, describe Yes, we generate hazardous waste.

38. Does this facility have a Spill Prevention Control and Countermeasures (SPCC) plan?
If yes, describe See annual site inspection report. A copy of our SOP index is included. It may be viewed by appointment at Polaris Plating.

39. Has NJDEP or EPA ever cited this facility for a violation of State or Federal Regulations for the nature of its wastewater discharge? Y (N)

40. Is this facility under an ISRA Clean up? no If so, has a plan been approved by NJDEP: _____

Is there any plan to discharge groundwater?
no

SECTION E (continued)

Samples collected by: Frank R. Zemo

Copies of all analysis reports on file PVSC Date: See MR1 & MR2 Reports 2005

Sample analyzed by: South Mall Analytical Labs Water Works. Date:

Products being manufactured when sample was collected: electroplated parts were mostly automotive with some fasteners

27. Who performs the analyses of the samples for User Charge?
Water Works - *Bod, TSS & cyanide (grab)

28. Is the Laboratory certified by NJDEP to conduct all the analyses? (Y) - N
South mall NJDEP LAb ID NY006
Water works NJDEP LAb ID 07673

29. Who performs the analyses of the samples for the Pretreatment Parameters?
South Mall - analysis of metals

If monitoring has not commenced for Pretreatment, indicate Laboratory you plan to use. If unknown, so state:
n/a

30. Is the Laboratory certified by NJDEP to conduct all the required Pretreatment analyses?

(Y) - N

31. Based upon knowledge of materials and processes used at this facility check the appropriate box that best describes the potential that a Priority Pollutant, listed on Tables 1,2 & 3 is present in your discharge.

See EPA Report - Analysis of all chemicals Listed in the TRI.

CERTIFICATION*:

The information contained in this application is familiar to me and, to the best of my knowledge and belief, such information is true, complete and accurate.

If the applicant is a corporation, a corporate resolution is attached granting me the authority to sign the application on behalf of the corporation.

Name of signing official: Brenda Zemo
Print Name

TITLE: (EHS) Environmental Rep. / Admin. Asst.

1/19/06
DATE

SIGNATURE

*APPLICATION MUST BE SIGNED BY ONE OF THE FOLLOWING:

a. Principal Officer of Corporation

b. President or Owner of Company

c. General Partner if a Partnership

(d.) Plant Manager or Authorized Representative

TABLE 1 EPA PRIORITY POLLUTANTS

CHECK APPROPRIATE BOX

NAME	A	B	C	D		A	B	C	D
Acenaphthene					2,4 dimethylphenol				
acrolein					2,4 dinitrotoluene				
acrylonitrile					2,6 dinitrotoluene				
benzene					1,2 diphenylhydrazine				
benzidine					ethylbenzene				
carbon tetrachloride (tetrachloromethane)					fluoranthene				
					4-chlorophenyl phenyl ether				
chlorobenzene					4-bromophenyl phenyl ether				
1,2,4-trichchlorobenzene					bis(2-chlorosispropyl) ether				
hexachlorobenzene					bis(2-chloroethoxy) methane				
1,2 dichloroethane					methylene chloride(dichloromethane)				
1,1,1 trichlorethane									
hexachloroethane					methyl chloride (chloromethane)				
1,1,dichloroethane									
1,1,2 trichloroethane					methyl bromide (bromomethane)				
1,1,2,2 tetrachloroethane									
chlorethane					bromoform(tribomomethane)				
bis(chloromethyl) ether					dichlorobromomethane				
Bis(2 chloroethyl) ether					trichlorofluoromethane				
2-chloroethyl vinyl ether mixed					dichclorodifuoromethane				
2-chloronaphthalene					chlorodibromomethane				
2,4,6, trichlorophenol					hexachlorobutadiene				
parachlorometa cresol					hexachlorocyclopentadiene				
Chloroform (trichloromethane)					isophorone				
2 chlorophenol					naphthalene				
1,2, dichlorobenzene					nitrobenzene				
1,3, dichlorobenzene					2-nitrophenol				
1,4, dichlorobenzene					4-nitrophenol				
3,3, dichlorobenzidine					2,4-dinitrophenol				
1,1,dichloroethylene					4,6 dinitro-o cresol				
1,2 trans-dichloroethylene					N-nitrosodimethylamine				
2,4,dichlorophenol					N-nitrosodiphenlamine				
1,2, dichloropropane					N-nitrosodi-n-proplyamine				
1,3, dichloropropylene					pentachlorophenol				
(1,3 dichclor propene)					phenol				

A. KNOWN TO BE PRESENT
B. SUSPECTED TO BE PRESENT
C. KNOWN TO BE ABSENT
D. SUSPECT TO BE ABSENT

TABLE 1 EPA PRIORITY POLLUTANTS (continued)

CHECK APPROPRIATE BOX

NAME	A	B	C	D		A	B	C	D
bis(2-ethylhexyl) phthalate					endrin				
butylbenzylphthalate					endrin aldahyde				
di-n-butylphthalate					heptachlor				
di-n-octylphthalate					heptachlor (epoxide)				
diethylphthalate					BHC Alpha				
dimethylphthalate					BHC Beta				
benzo(a)anthracene					BHC Gamma				
benzo(a)pyrene					BHC Delta				
3,4 benzofluoranthene					PCB1242				
benzo(k) fluoranthane					PCB1254				
chrysene					PCB1221				
acenaphthylene					PCB1232				
anthracene					PCB1248				
benzo(ghi)perylene					PCB1260				
fluorene					PCB1016				
phenanthrene					toxaphene				
dibenzo (a,h) anthracene					antimony(total)				
indeno (1,2,3-c,d) pyrene					arsenic (total				
pyrene					asbestos (fibrous)				
tetrachloroethylene					beryllium (total)				
toluene					cadmium (total)	✓			
trichloroethylene					chromium (total)				
vinyl chloride					copper (total)	✓			
aldrin					cyanide (total)	✓			
dieldrin					lead (total)	✓			
chlordane					mercury (total)	✓			
4,4 DDT					nickel (total)	✓			
4,4, DDE					selenium (total)				
4,4, DDD					silver (total)				
endosulfan 1					thallium (total)				
endosulfan 11					zinc (total)				
endosulfan sulfate					2,3,7,8, tetrachlorodibenzo				
					p-dioxin				

A. KNOWN TO BE PRESENT
B. SUSPECTED TO BE PRESENT
C. KNOWN TO BE ABSENT
D. SUSPECT TO BE ABSENT

* See appendix III
Lab report 6 pages

TABLE 2 NJDEP EXPANDED PRIORITY POLLUTANTS

CHECK APPROPRIATE BOX

NAME	A	B	C	D		A	B	C	D
acrylamide				D	n,n-dimethyl aniline				
amitrole					3,3-dimethyl benzidine				
amyl alcohols					1,1-dimethylhydrazine				
anilne hydrochloride					dioxane				
anisole					diphynylamine				
auramine					ethylenimine				
benzotrichloride					hydrazine				
benzylamine					4,4-methylene bis				
					(2-chloraniline)				
o-chloroaniline					4,4-methylenedianiline				
m-chloroaniline					methyl isobutyl ketone				
p-chloraniline					alpha-naphthylamine				
1-chloro-2-nitrobenzene					beta-naphthylamine				
1-chloro-4-nitrobenzene					n-methylaniline				
chloroprene					1,2- phenylenediamine				
chrysoidine					1,3- phenylenediamine				
cumene					1,4-phenylenediamine				
2,3-dichloroaniline					sudan 1 (solvent yellow 14)				
2,4-dichloroaniline					thiourea				
2,5-dichloroaniline					toluene sulfonic acids				
3,4-dichloroaniline					toluidines				
3,5-dichloroaniline					xylidines				
1,3-dichloropropene									
1,3-dimethoxybenzidine									

A. KNOWN TO BE PRESENT
B. SUSPECTED TO BE PRESENT
C. KNOWN TO BE ABSENT
D. SUSPECT TO BE ABSENT

TABLE 3 EPA HAZARDOUS SUBSTANCES

CHECK APPROPRIATE BOX

NAME	A	B	C	D		A	B	C	D
acetaldehyde					isopropanolamine				
allyl alcohol					kelthane				
allyl chloride					kepone				
amyl acetate					malathion				
aniline					mercaptodimethur				
benzonitrile					methoxychlor				
benzyl chloride					methyl mercaptan				
butyl acetate					methyl methacrylate				
butylamine					methly parathion				
captan					mevinphos				
carbaryl					mexacarbate				
carbofuran					monoethylamine				
carbon disulfide					monomethylamine				
chlorpyrifos					naled				
coumaphos					napthenic acid				
cresol					nitrotoluene				
crotonaldehyde					parathion				
cyclohexane					phenolsulfanate				
2,4-D (2,4-dichlorophenoxy)					phosgene				
acetic acid					propagrite				
diazinon					propylene oxide				
dicamba					pyrethrins				
dichlobenil					quinoline				
dichlone					resorcinol				
2,2-dichloropropionic acid					strontium				
dichlorvos					strychnine				
diethylamine					stryrene				
dimethylamine					2,4,5-T (2,4,5-trichloro-phenoxy acetic acid)				
dinitrobenzene					TDE (tetrachloro-diphenylethane)				
diquat					2,4,5-TP 2(2,4,5-trichlorophenoxy				
disulfoton					trichlorofon				
diuron					triethylamine				
epichlorohydrin					trimethylamine				
					propanoic acid				

A. KNOWN TO BE PRESENT
B. SUSPECTED TO BE PRESENT
C. KNOWN TO BE ABSENT
D. SUSPECT TO BE ABSENT

TABLE 3 EPA HAZARDOUS SUBSTANCES (continued)

CHECK APPROPRIATE BOX

NAME	A	B	C	D		A	B	C	D
ethanolamine					uranium				
ethion					vanadium				
ethylene diamine					vinyl acetate				
ethylene dibromide					xylene				
formaldehyde					xylenol				
furfural					zirconium				
guthion									
isoprene									

A. KNOWN TO BE PRESENT
B. SUSPECTED TO BE PRESENT
C. KNOWN TO BE ABSENT
D. SUSPECT TO BE ABSENT

SUPPLEMENTAL SEWER USE APPLICATION QUESTIONNAIRE

The following questionnaire must be completed and submitted by all industrial and tax-exempt users making application for a SEWER USE PERMIT. The purpose of this questionnaire is to identify the correct name and address of the applicant and all individuals and entities owning 10% or more of the applicant. This will assist the PVSC by providing necessary information for service of notices, bills and other documents upon the applicant, for service of process as well as the individual to be contacted in the event of an emergency.

BY SIGNING THIS APPLICATION THE APPLICANT IS ACKNOWLEDGING ITS CONTINUING OBLIGATION TO UPDATE THE INFORMATION CONTAINED IN THIS QUESTIONNAIRE. SPECIFICALLY THE APPLICANT UNDERSTANDS THAT IT SHALL NOTIFY THE PVSC WITHIN THIRTY (30) DAYS OF ITS ENTERING INTO A CONTRACT OR AGREEMENT TO TRANSFER ITS CAPITAL STOCK AND/OR 50% OR MORE OF ITS ASSETS. THE APPLICANT SHALL LIKEWISE INFORM THE PVSC, ON A CONTINUING BASIS, OF ALL INDIVIDUALS OR ENTITIES OWNING 10% OR MORE OF THE CAPITAL STOCK OR ASSETS OF THE CORPORATION AND ANY INDIVIDUAL OR ENTITY ENTITLED TO RECEIVE MORE THAN 10% OF THE NET PROFITS OF THE APPLICANT.

FAILURE TO NOTIFY THE PVSC OF ANY CHANGES IN THE CORPORATE STRUCTURE, OWNERSHIP OR PLANNED-TRANSFER OF OWNERSHIP WITHIN 15 DAYS OF ITS OCCURRENCE SHALL BE DEEMED A VIOLATION OF THE SEWER USE PERMIT, THE RULES AND REGULATIONS OF THE PVSC AND N.J.S.A. 58:14-1 et. seq.

SECTION ONE
(To be completed by all applicants)

NAME OF APPLICANT: State the complete name of the organization applying for a SEWER USE PERMIT ("Permit"), as it appears on the certificate of incorporation, charter, by-laws, partnership agreement, trust or other official document which establishes the name of the applicant (if no such document exists, state the name the business uses):

Name of Applicant

Polaris Plating, Inc.

TRADE NAME: Identify all trade names, names under which the applicant will be doing or soliciting business and/or fictitious names that the organization will utilize at the location(s) for which this Permit application is made.

Trade Name/Fictitious Name

n/A

BUSINESS ORGANIZATION: Please check the appropriate box:

[ ]	Sole Proprietorship	[ ]	Trust
[ ]	Partnership	[ ]	Joint Venture
[ ]	Limited Partnership	[ ]	Non-Profit Corporation
[ ]	Corporation	[ ]	Limited Liability Company
[✓]	Other (describe) S corp		

EMERGENCY CONTACT PERSON: In the event of an emergency, provide the name, address and telephone number of the person(s) the PVSC can contact:

Name: Brenda & Frank Zemo

Street Address: 200-Keen St.

City, State & Zip Code: Paterson NJ 07524

Business Telephone: 973 2780033 Emergency Telephone: 973 515-7347

PAST NAMES OF APPLICANT. List **all** names under which the applicant has done business or held itself out to the public as doing business in the past. Include names of division, and "trading as," "doing business as," fictitious, or informal name.

Name	From (Year)	To (Year)
N/A		

APPLICANT'S FORMER FACILITIES IN NEW JERSEY. List all locations, including office, in the State of New Jersey at which the applicant formerly operated any aspect of its business, and any location at which such a business was owned or operated by any predecessor of the applicant, or by any owner, partner, director, officer, key employee or stockholder holding 10% or more of the applicant's equity.

Address	Type of Facility	From To (years)	NJDEP regis. No. and or USEPA I.D.
187-Albion Ave Paterson Wallington	Mfg.	68-78	?
↑Wallington ☒	Mfg	62-68	?
77-Paterson Ave			

APPLICANT'S FACILITIES IN OTHER JURISDICTIONS. List all locations in any state, including offices, districts or territory of the United States other than New Jersey, or in any foreign country, at which the applicant is currently operating any aspect of its business.

Address	Telephone	Type of facility	USEPA I.D. and/or any permits (nos. and name of issuing agency
n/a			

SECTION TWO

(To be completed only by Corporations and Limited Liability Companies)

REGISTERED AGENT: Identify the name and address of the Corporation's Registered Agent:

Name:

Company Name:

Street Address:

City, State & Zip Code:

Telephone:_____
(Area Code)

DATE AND PLACE OF INCORPORATION/FORMATION: Identify the state where the corporation/LLC was organized and the date on which the Certificate of Incorporation/Formation was filed:

State/Country: NJ, USA

Date: Nov. 2, 1962

Certificate of Incorporation No.: _____

Copy of certificate of incorporation attached? ✓ Yes _____ No

DATE AUTHORIZED IN NEW JERSEY: If other than a New Jersey corporation/LLC, state the date on which the corporation/LLC received a Certificate of Authority to Transact Business in New Jersey (and attach copy).

Date: n/a

OFFICERS. List the following information as to each Officer of the corporation. **Use additional copies of this section as necessary.**

See brief History Attached.

Name: ① Frank J. Zemo Telephone: 973 278 0033

Business address: 200 - Keen St. Paterson NJ

Office held	Date took office	Date of birth
President	1992	9/12/33

② Frank R Zemo 1995 - present DOB 8/16/57
V.P

③ Name: Nancy Zemo Telephone: 973 278 0033
(area code)

Business address: Same as above

Office held	Date took office	Date of birth
Sec./Treas.	1992	6/20/36

DIRECTORS. List the following information as to each Director of the corporation. **Use additional copies of this section as necessary.**

Name: N/A Same applies as officers Telephone: _____
(area code)

Business address:

Office held	Date took office	Date of birth

FORMER OFFICERS AND DIRECTORS: List the following information as to each person who was an Officer or Director of the corporation at any time during the last 10 years and is not listed in the responses above. **Use additional copies of this section, as necessary.**

Name and last known address: See attached.

Position held	From	To (month/year)	Date of birth

SECTION THREE

(To be completed only by Corporations and Limited Liability Companies)

List all persons and/or entities holding a 10% or greater ownership, equity, beneficial or other interest in the Applicant along with the addresses and telephone #. **Use additional copies of this section as necessary.**

Name: Frank R. Zemo

Street Address: 200-Keen St.

City, State & Zip Code: Paterson NJ Bus.Phone 973 2780033

Name: Frank J. Zemo

Street Address: S/A

City, State & Zip Code: Bus.Phone S/A.

If any of the persons and/or entities listed above is a corporation or Limited Liability Corporation, for each such corporation provide all information requested in Section Two of this Questionnaire.

SECTION FOUR

(To be completed only by Partnerships or Joint Ventures)

N/A

Provide a copy of the partnership or joint venture agreement of applicant.

Copy attached? ___ Yes ___ No

TYPE OF ASSOCIATION: Check One

[ ] General Partnership [ ] Limited Partnership [ ] Joint Venture

GENERAL PARTNERS OR JOINT VENTURERS. List the following information as to each partner or joint venturer. **Use additional copies of this section, as necessary**. If a limited partnership, list limited partners separately under the heading "limited partners."

Name:

Street Address:

City, State & Zip Code:

Telephone:_____

Name:

Street Address:

City, State & Zip Code:

Telephone:_____

LIMITED PARTNERS. List the following information as to each limited. **Use additional copies of this section as necessary.**

Name:

Street Address:

City, State & Zip Code: Telephone:_____

Name:

Street Address:

City, State & Zip Code: Telephone:_____

FORMER PARTNERS/JOINT VENTURERS. List the following information as to all prior partners (general and limited) and joint venturers of the applicant during the past 10 years that are not listed above. **Use additional copies of this section as necessary.**

Name:

Street Address:

City, State & Zip Code: Telephone:

Dates during which individual was a partner:_____

Name:

Street Address:

City, State & Zip Code:

Telephone:_____Telephone_____

Dates during which individual was a partner:_____

If any of the persons and/or entities listed above is a corporation or Limited Liability Corporation, for each such corporation provide all information requested in Section Two of this Questionnaire.

SECTION FIVE

(This section to be completed only if the business concern is organized in a form **other than** a sole proprietorship, corporation, partnership or joint venture—such as a trust or association)

FORM OF BUSINESS ORGANIZATION: Describe how the business entity is organized and under what legal authority it was established.

Type (trust, trade association; estate; etc.)

Copy attached? ____ Yes ____ No

OWNERS, OFFICERS, TRUSTEES, CONTROLLING PARTIES, ETC. List the following information as to each person who owns, controls or is an officer or trustee of the Applicant. If any owner, officer, trustee, or controlling party listed below shall be a corporation, limited liability corporation, or partnership (general or limited liability), the Applicant shall supply the information requested in Sections Two, Three and Four as applicable. **Use additional copies of this section as necessary.**

Name:

Street Address:

City, State & Zip Code: Telephone:

Name:

Street Address:

City, State & Zip Code: Telephone:

SECTION SIX

CIVIL VIOLATIONS HISTORY

(To be completed by all applicants)

The following questions concern civil violations of environmental protection laws and regulations. In this section, the term "you" refers to the applicant identified in SECTION I, and to any of the following:

a. Any predecessor firm, or any previous name under which the applicant operated.

b. Subsidiaries: Any business in which the applicant holds 25% of equity or debt liability.

c. Sister companies: Any business in which the applicant's parent company holds more than 10% of the equity or debt liability.

d. Any corporation of which the Applicant is a subsidiary.

e. Any Officer, Director, Partner, or Joint Venturer of the applicant, and any business concern owned or controlled by any such individual.

Provide a response in each section. Each item pertains to all of the entities and individuals listed above. If an answer is None or the item is not applicable, write "None" or "N/A". A question left unanswered will not be presumed "Not applicable" or "None" - THE FORM WILL BE DEEMED INCOMPLETE.

As used below, the term "law or regulation pertaining to protection of the environment" includes laws and regulations relating to the discharge, treatment, storage, processing, recycling or disposal of industrial waste or hazardous waste and any others relating to water and air pollution, discharge of hazardous substances and treatment of hazardous materials. It includes regulations of the Passaic Valley Sewerage Commissioners ("PVSC"), N.J. DEP, the U.S. EPA, the N.J. DOT, and the U.S. Department of Transportation.

A. NEW JERSEY VIOLATIONS NOTICES. List and explain all Summonses, Notices of Violation, Notices of Prosecution, Administrative Orders and Actions, civil complaints, settlements, Judicial or Administrative Consent Orders, or Notices of Intent to Deny or Revoke any license or permit, or similar notices, issued to you within the past 10 years by the PVSC, New Jersey Department of Environmental Protection (DEP) or United States Environmental Protection Agency. **Attach additional sheets if necessary.**

See Appendix VI

Name of entity cited:_____ Date Issued:_____

Address of alleged violation:_____

Alleged violation:_____ Type of notice:_____

Disposition & explanation:_____

_____

Name of issuing agency: _____ Docket No.:_____

B. FEDERAL VIOLATION NOTICES. List and explain all Notices of Violation, Notices of Prosecution, Administrative Orders and Actions, civil complaints, or similar notices issued to you within the past 10 years by the U.S. Environmental Protection Agency or U.S. Department of Transportation for any alleged violation of any federal law or regulation pertaining to protection of the environment. **Use additional copies of this section as necessary.**

N/A

Name of entity cited:_____ Date Issued:_____

Address of alleged violation:_____

Alleged violation:_____ Type of notice:_____

Disposition & explanation:_____

_____

Name of issuing agency: _____ Docket no.: _____

C. NEW JERSEY MUNICIPALITIES AND COUNTIES. List and explain all Notices of Violation, Notices of Prosecution, Administrative Orders and Actions, Summonses, civil Complaints, Citations of any kind, and Notices of intent to Deny or Revoke a license or permit, or any similar notices issued to you within the past 10 years by any municipality or county in the State of New Jersey, for any alleged violation of any law or regulation pertaining to the protection of the environment, other than a motor vehicle or littering offense. **Use additional copies of this section as necessary.** n/a

Name of entity cited:_____ Date Issued:_____

Address of alleged violation:_____

Alleged violation:_____ Type of notice:_____

Disposition & explanation:_____

_____

Name of issuing agency: _____ Docket no.: _____

D. OTHER STATES AND FOREIGN COUNTRIES. List and explain all Notices of Violation, Notices of Prosecution, Administrative Orders and Actions, Summons, Civil Complaints, Citations of any kind, and Notices of Intent to Deny or Revoke a license or permit, or any similar notices issued to you within the past 10 years by any state other than the State of New Jersey or by any foreign country, for any alleged violation of any law or regulation pertaining to the protection of the environment, other than a motor vehicle or littering offense. **Use additional copies of this section as necessary.** n/a

Name of entity cited:_____ Date Issued:_____

Address of alleged violation:_____

Alleged violation:_____ Type of notice:_____

Disposition & explanation:_____

_____

Name of issuing agency: _____ Docket no.: _____

SECTION SEVEN

OTHER CIVIL COURT JUDGMENTS AND PENDING LITIGATION

(To be completed by all applicants)

A. **OTHER JUDGMENTS.** List and explain all judgments of liability in excess of $25,000 rendered against the applicant in the past 10 years, starting with the most recent. **Use additional copies of this section as necessary.** n/a

Title of case: **Docket No.:**_____

Name & location of court: _____ Date judgment entered: _____

Nature of suit: _____ Amt./terms of judgment:_____

B. PENDING SUITS. List and explain all civil suits in which the applicant is presently involved as a party plaintiff or defendant. Include matters involving resolution before arbitration boards. **Use additional copies of this section as necessary.**

Title of case:_____ **Docket No.:**_____

Name & location of court: _____ Date Filed:_____

Nature of suit: _____ Status:_____

SECTION EIGHT

CRIMINAL CHARGES AND CONVICTIONS n/a

(To be completed by all applicants)

List all indictments, accusations, summonses, complaints, and information against the applicant for any crime, felony, misdemeanor, disorderly persons offense, petty disorderly persons offense or criminal violation.

NOTE: You need not list convictions for any violation of Title 39 of the Revised Statutes (N.J.S.A.) or comparable motor vehicle offenses in jurisdictions other than New Jersey. Death by Auto or Vehicular Homicide is considered a criminal offense and must be listed under this item.

List convictions first. **Use additional copies of this page as necessary.**

Name of entity charged/convicted:_____

Description of crime/offense charged:_____

Date Charged:_____

Jurisdiction Where Charged:_____

Indictment information, Complaint No., indictment No. etc.,_____

Disposition (if applicable, sentence imposed):_____

CERTIFICATION

(All applicants must sign and date the following certification)

I hereby certify the answers supplied in the foregoing SUPPLEMENTAL SEWER USE PERMIT APPLICATION QUESTIONNAIRE are true. I am aware that if any of the foregoing responses are willfully false, I am subject to punishment.

Dated: 1/19/06

Signature

EHS Rep. / Admin Asst.

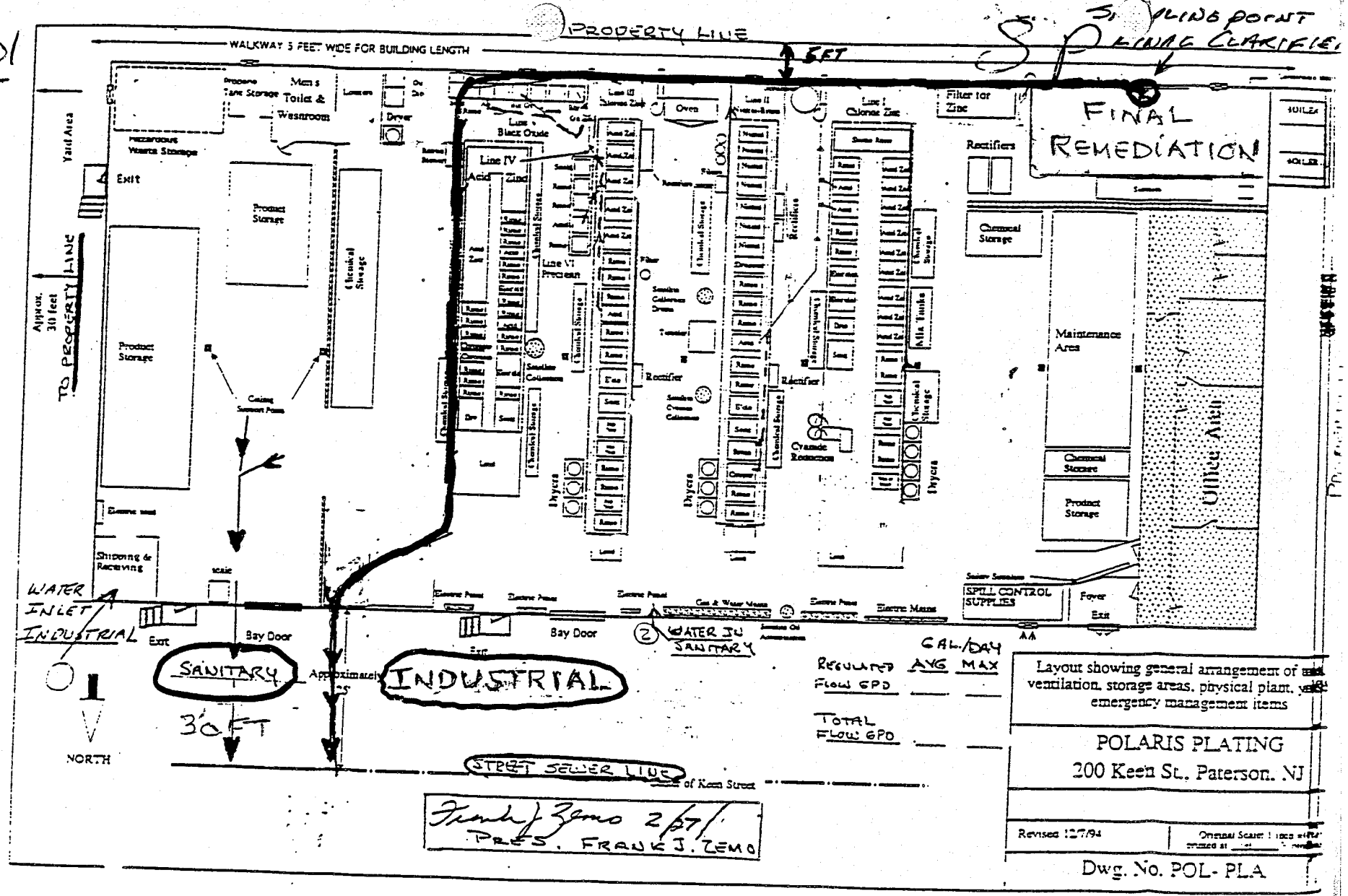
Print Title & Position

All questions answered to the best of my ability

APPENDIX
I

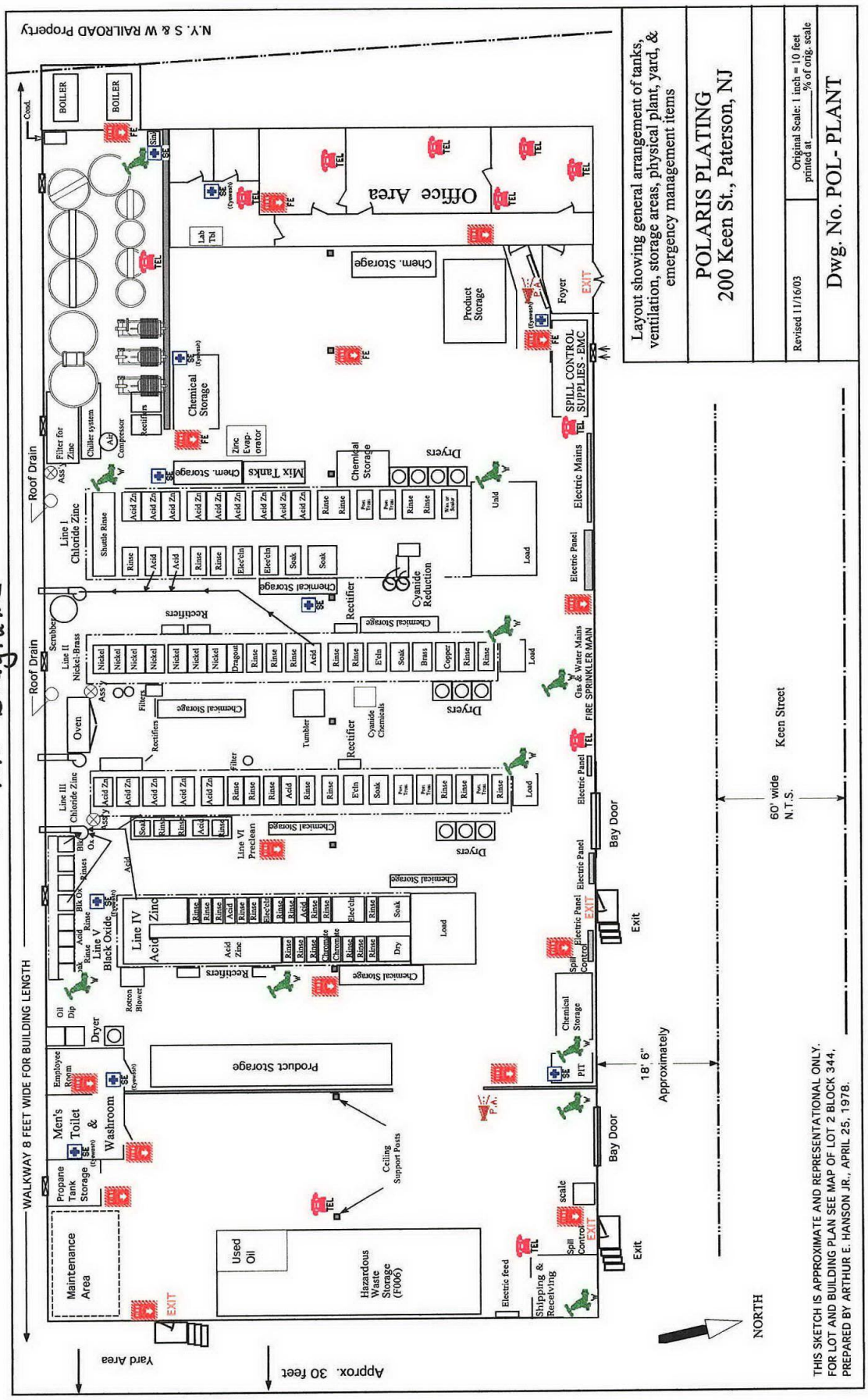
2/27/01

12/31/05



Frank J. Zemo 2/27/01
PRES. FRANK J. ZEMO

Sampling point location @ FINAL CLARIFIER (PER PVSC)


RCRA Diagram
N.Y. S & W RAILROAD Property
WALKWAY 8 FEET WIDE FOR BUILDING LENGTH
Office Area
Chem. Storage
Product Storage
Foyer
EXIT
Lab
TEL
Chemical Storage
Rectifier
Zinc Evap-orator
Filter for Zinc
Chiller system
Air Compressor
Roof Drain
Mix Tanks
Chem. Storage
Chemical Storage
Dryers
SPILL CONTROL SUPPLIES - EMC
Electric Mains
Line I Chloride Zinc
Shuttle Rinse
Cyanide Reduction
Electric Panel
Scrubber
Line II Nickel-Brass
Oven
Tumbler
Cyanide Chemicals
Gas & Water Mains
FIRE SPRINKLER MAIN
Line III Chloride Zinc
Line VI Preclean
Line IV Acid Zinc
Line V Black Oxide
Roots Blower
Oil Dip
Dryer
Employee Room
Men's Toilet & Washroom
Product Storage
Ceiling Support Posts
Propane Tank Storage
Maintenance Area
Used Oil
Hazardous Waste Storage (F006)
Electric feed
Shipping & Receiving
scale
Spill Control
Chemical Storage
PIT
Bay Door
Exit
18' 6" Approximately
60' wide N.T.S.
Keen Street
NORTH
Yard Area
Approx. 30 feet
Layout showing general arrangement of tanks, ventilation, storage areas, physical plant, yard, & emergency management items
POLARIS PLATING
200 Keen St., Paterson, NJ
Revised 11/16/03
Original Scale: 1 inch = 10 feet printed at _____% of orig. scale
Dwg. No. POL- PLANT
THIS SKETCH IS APPROXIMATE AND REPRESENTATIONAL ONLY.
FOR LOT AND BUILDING PLAN SEE MAP OF LOT 2 BLOCK 344,
PREPARED BY ARTHUR E. HANSON JR., APRIL 25, 1978.

APPENDIX
II

Metal Analysis for 2005

	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT.	NOV.	DEC.	sum	Average
Cad.	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.012	0.001
Cu	0.306	0.382	0.178	0.099	0.327	0.143	0.051	0.061	0.177	0.03	0.015	0.014	1.783	0.1486
Cyanide	0.1	0	0.04	0.05	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.99	0.0825
Pb	0.052	0.008	0.071	0.005	0.007	0.005	0.003	0.005	0.005	0.003	0.003	0.003	0.17	0.0142
Ni	0.163	0.112	0.218	0.062	0.737	0.03	0.005	0.008	0.113	0.002	0.006	0.018	1.474	0.1228
Zn	0.58	0.123	0.382	0.209	0.214	0.12	0.038	0.054	0.77	0.111	0.045	0.146	2.792	0.2327
Hg	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.26	0.1	0.1	0.1	1.46	0.1217

pb, Cy, Cad, Hg are all less than, (<)

Hg is measured in parts per billion and not parts per million

JANUARY 2005 IS THE FIRST ANALYSIS AFTER THE INSTALLATION OF THE SANDFILTER.

APPENDIX
III

NPDES COMPLIANCE SAMPLING INSPECTION REPORT

Polaris Plating, Inc.
200 Keen Street
Paterson, NJ 07524

NJU200430

May 12, 2004

Participating Personnel:

U.S. Environmental Protection Agency
Lampros E. Bourodimos, PhD, PE, Environmental Engineer
Kathleen Savino, Environmental Scientist

Polaris Plating, Inc.
Frank R. Zemo, President & General Manager
Brenda Zemo, Health, Safety, Environmental, and Customer Relations Representative

Report Prepared By:

Lampros E. Bourodimos 24 Nov 2004
Lampros E. Bourodimos, PhD, PE, Environmental Engineer

Approved for the Director By:

John S. Kushwara
John S. Kushwara, Chief
Monitoring and Assessment Branch

NPDES COMPLIANCE SAMPLING INSPECTION REPORT

I. Objective

On May 12, 2004, the US Environmental Protection Agency (USEPA) conducted a pre-treatment compliance sampling inspection (CSI) at the Polaris Plating, Inc. facility located in Paterson, NJ. The inspection was performed in order to determine if the wastewaters discharged from the facility were in compliance with the Federal categorical pretreatment standards for existing electroplating sources [40 CFR Part 413.14(b) & (f) and the USEPA General Pretreatment Regulations Part 403].

This facility is one of the industries regulated by the Passaic Valley Sewerage Commissioners (PVSC). The wastewaters discharged to the municipal sewer system and the PVSC treatment works are also subject to the limitations issued by the PVSC for Sewer Use Permit No. 27200018. The permit went into effect on October 20, 2001 and expires on September 30, 2006.

II. Facility Description, History, Operation, and Flow Characteristics

The facility is a metal finisher engaged in the electroplating of common heavy metals and is located at 200 Keen Street in Paterson, NJ. The company was founded in 1962. It is a family owned and operated business. The facility operates one daily shift from 6:00 a.m. to 1:00 p.m., five days per week, and about 50 weeks per year.

The facility operates as a job shop that employs six people and started plating operations at the present location in 1978. The fire, burglar, and stand-alone environmental alarm systems are monitored through a central station private security system and the Paterson Police Department. The facility applies brass, zinc (Zn), nickel (Ni), copper (Cu), and black oxide finishes on customer-owned components. These components consist of steel and non-ferrous parts from other sources that are warehoused while being processed. The processes applied consist primarily of coating of parts with metals. All processes occur in lined steel, fiberglass, or stainless steel tanks using aqueous solutions.

The facility provides barrel and rack plating. It provides barrel electroplating of Cu, Ni, brass, antique and statuary bronze finishes. It also provides rack and barrel Zn plating (with yellow, blue, olive drab and black chromate), color dyes for chromated Zn, black oxide for steel and stainless steel. Individual and combined metal finishing operations such as cleaning, stripping, dipping, coloring, and tumbling are also provided as needed. Besides the variety of standard metal finishes the facility is capable of secondary and specialty coatings. Figure 1 is a schematic of the plant layout that characterizes the plating processes in use, the general layout of the facility, and the waste treatment center.

According to the facility representative, plating work is performed for a variety of companies, both large and small. Parts are processed for the automotive, metal stamping, and hardware industries.

Raw materials stored on-site include muriatic and sulfuric acids in aqueous form, metals, caustic cleaners, and various compounded salts. Toxic, hazardous, and volatile compounds are clearly marked and stored in appropriate areas with care being taken that incompatible materials are isolated from each other in storage.

The company has received the EPA Strategic Goals Silver Award numerous times and the Passaic Valley Sewerage Commissioners (PVSC) Bronze Award for three consecutive years. The company has certified its management system to ISO 14001: 1996 standards and ISO 9001: 2000 standards.

III. Water and Wastewater

The main sources of wastewater at the facility are from the rinsing of parts removed from the processing baths. All water used at the facility (including for rinsing) is municipal water supplied by the City of Paterson.

The majority of the wastewater generated at the facility is from the rinsing of customer-supplied parts. These customer-owned components move along on an automated production line where they are chemically cleaned prior to the specific plating process(es) used for that particular component. There are four main plating lines for Zn, Ni, brass, and black oxide processes. Wastewater is collected in a piped system and delivered to the waste treatment system.

IV. Wastewater Treatment

Wastewater treatment at this facility involves physical and chemical treatment by the on-site, two-story, wastewater treatment system. The facility has a piping system that collects the wastewater from the plating processes at the facility for wastewater treatment.

Figure 2 shows the tanks and layout of the wastewater treatment system. The wastewater treatment includes pH adjustment. A series of holding and clarifier tanks provide the detention time and volume requirements for effective chemical and physical treatment. There are future plans for the addition of a sand filtration system to the end of the present wastewater treatment system. The facility's ultimate goal is to make a closed-loop system, and have no wastewater discharge. Figure 3 indicates the general hydraulics and piping of the wastewater discharge. The treated wastewater flows into the sewer system of the City of Paterson and finally to the PVSC wastewater treatment plant in Newark, NJ.

The settled solids are pumped from the cone bottom of the clarifier tank through a plate-and-frame filter press. The filtrate from the filter press is returned to the influent holding tank. The sludge in the form of cake is placed in containers with plastic liners and sent to a landfill. The sludge is shipped as RCRA hazardous waste and is sent to a landfill managed by Stablex, in Montreal, Quebec, Canada.

V. Sampling

All samples were taken during an approximately eight-hour period that process-related wastewater was being discharged. Manually composted samples (consisting of four grab samples) were taken of the wastewater being discharged, and were analyzed for cyanide (CN) amenable to chlorination, non-volatile organic compounds (NVOA), and volatile organic compounds (VOA). Samples collected for NVOA were preserved with sodium thiosulfate prior to storage on wet ice. Also, samples collected for VOA were preserved in the same manner. Dechlorinating agents were added to the NVOA, VOA, and CN-amenable to chlorination. The VOA grab samples were laboratory composited. These grab samples were collected at 07:00, 09:10, 11:10, and 12:10 hours.

A planned eight-hour composite sample was taken of the discharge using an automatic sampler that was programmed to take an aliquot of the composite sample every 15 minutes over the compositing period. The automatic sampler started at 06:41 hours and was stopped at 12:20 hours, at the end of the facility's work day. The composited sample was preserved with nitric acid (HNO_3). Automatic composite samples were taken for the analysis of metals [cadmium (Cd), chromium (Cr), copper (Cu), lead (Pb), nickel (Ni), silver (Ag), and zinc (Zn)]. Also, a single grab sample was taken for the analysis of hexavalent chromium and oil & grease. According to an in-line flow (water) meter, a total of 290 cubic feet (2169 gallons) of wastewater was discharged during the sampling survey.

In addition, a continuous recording pH meter was calibrated and set up to record the pH of the wastewater being discharged from the wastewater treatment system to the sewer system. The pH of the wastewater was determined to be between about 9.0 and 9.2 standard units (see Figure 4). The temperature of the wastewater was 25 Celsius. The Total Residual Chlorine (TRC) was 0.20 mg/l.

VI. Findings and Conclusions

The results of the sampling survey are compared to the applicable metal finishing Federal categorical pretreatment standards and the PVSC standards in Table 1. All results indicate compliance with the standards.

Table 1

Polaris Plating, Inc.
200 Keen Street, Paterson, NJ 07524
Compliance Sampling Inspection
May 12, 2004

Comparison of the effluent limitations for 40 CFR §413.14(b)and (f) and the PVSC Sewer Use Permit No. 27200018 with the Sampling Results

Parameter	Daily Maximum Concentration 40 CFR §413.14(b) and (f) Metal Finishing (mg/L)	Daily Maximum Concentration PVSC (mg/L)	Sampling Results (mg/L)
Cadmium (Cd)	1.2	1.2	0.004U
Lead (Pb)	0.6	0.6	0.088
Cyanide amenable to chlorination	5.0	5.0	0.01U
Total Toxic Organics (TTO)	4.57	4.57	U

Code: U = The analyte was not detected at or above the reporting limit.

Figure 1

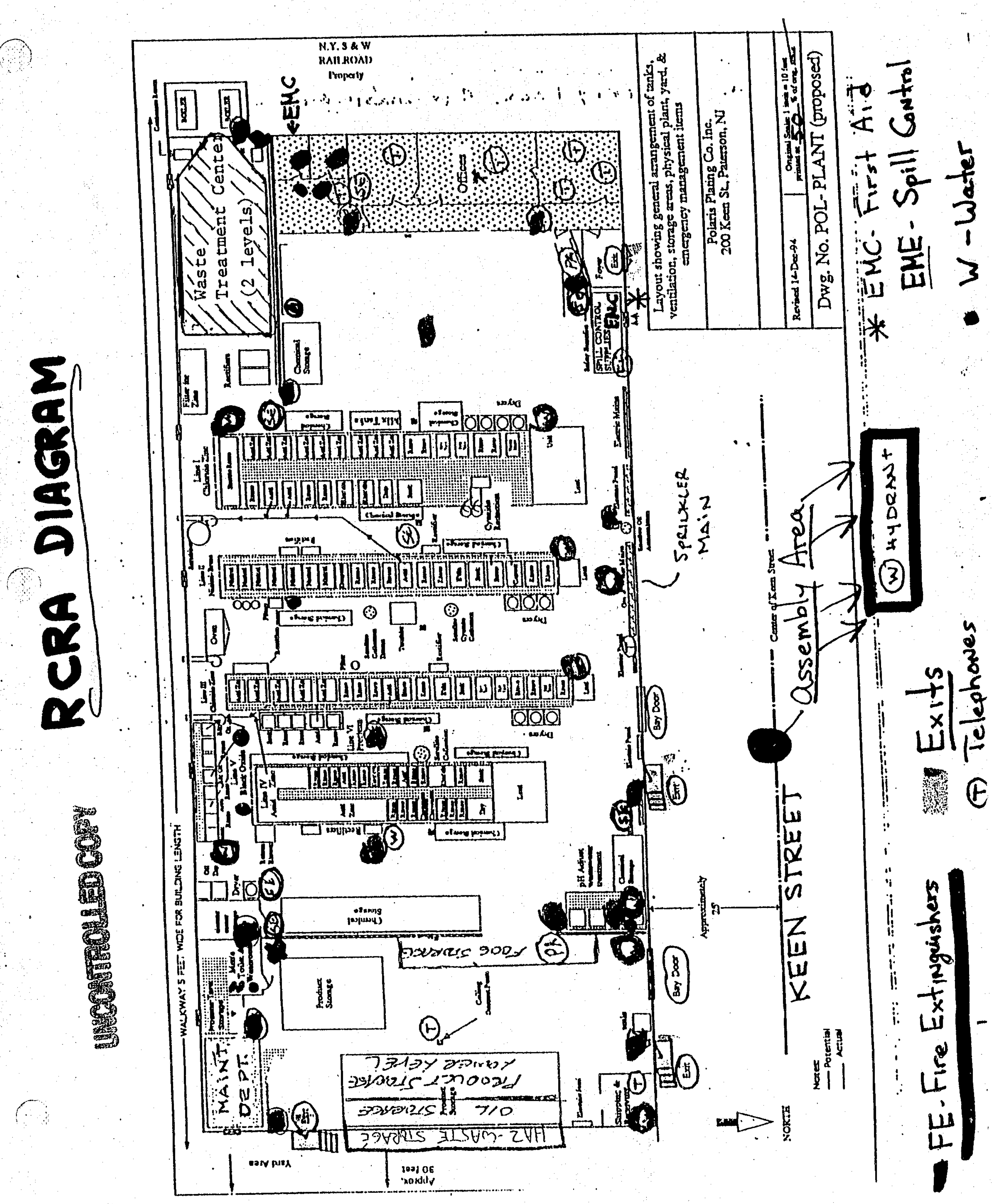
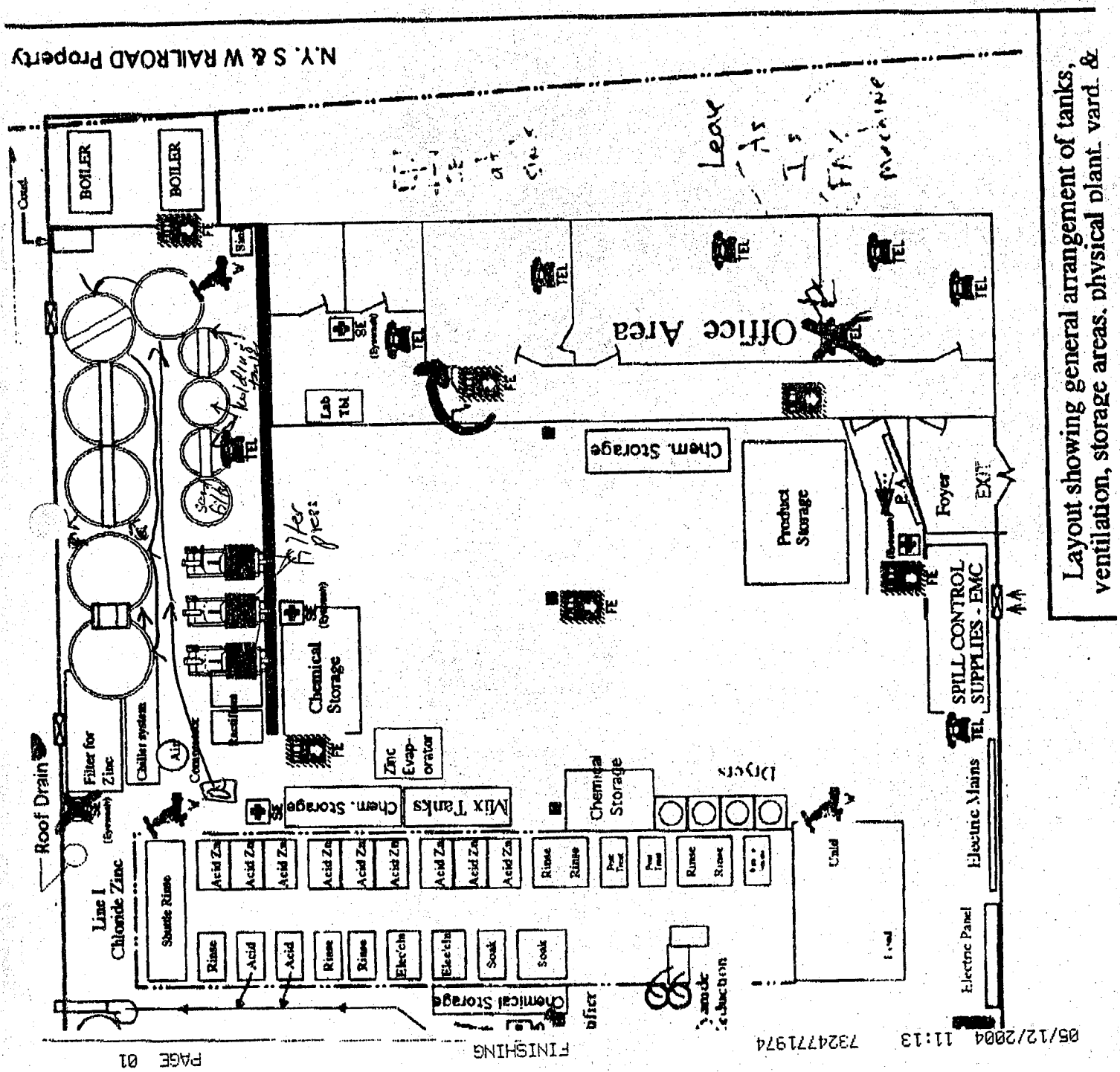
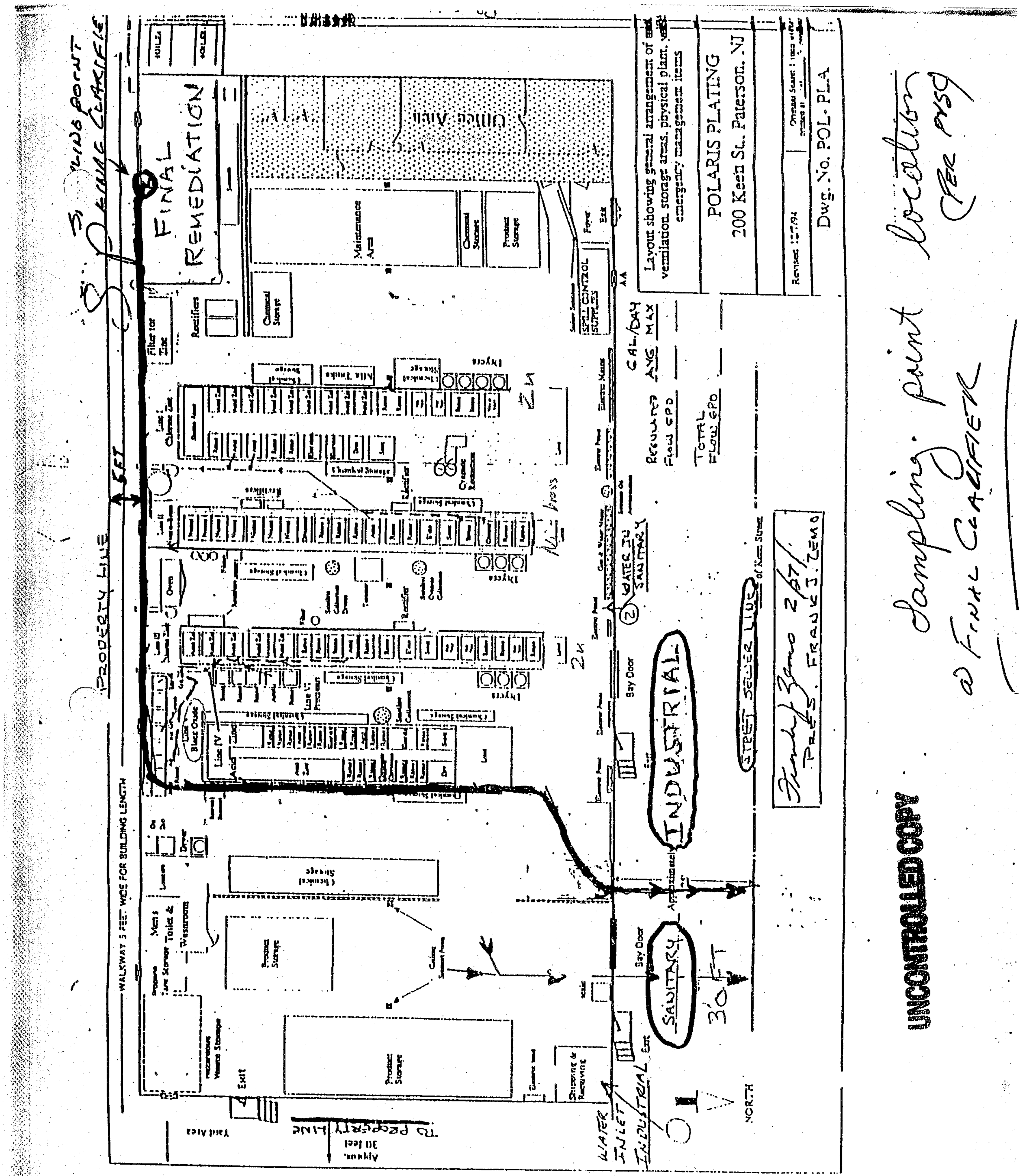

RCRA DIAGRAM
UNCONTROLLED COPY
N.Y.S & W RAILROAD Property
Waste Treatment Center (2 levels)
EMC
Offices
Layout showing general arrangement of tanks, ventilation, storage areas, physical plant, yard, & emergency management items
Polaris Plating Co. Inc. 200 Keen St, Paterson, NJ
Dwg. No. POL-PLANT (proposed)
SPILL CONTROL SUPPLIES
Chemical Storage
Product Storage
FOOD STORAGE
MAINT. DEPT.
PRODUCT STORAGE LOWER LEVEL
OIL STORAGE
HAZ-WASTE STORAGE
WALKWAY 5 FEET WIDE FOR BUILDING LENGTH
Yard Area
Approx. 90 feet
Bay Door
Exit
SPRINKLER MAIN
Assembly Area
KEEN STREET
Center of Keen Street
HYDRANT
NORTH
* EMC - First Aid
EME - Spill Control
W - Water
Exits
Telephones
FE - Fire Extinguishers

Figure 2


N.Y. S & W RAILROAD Property
BOILER
BOILER
Office Area
Lab TN
Chem. Storage
Product Storage
Foyer
EXIT
SPILL CONTROL SUPPLIES - EMC
Chemical Storage
Filter for Zinc
Chiller system
Roof Drain
Zinc Evap-orator
Mix Tanks
Chem. Storage
Chemical Storage
Dryers
Line 1 Chloride Zinc
Shuttle Rinse
Acid Zn
Rinse
Acid
Soak
Electric
Chemical Storage
Child
Electric Mains
Electric Panel
FINISHING
PAGE 01
7324771974
05/12/2004 11:13
Layout showing general arrangement of tanks, ventilation, storage areas, physical plant, yard, &



2/27/01

Figure 3

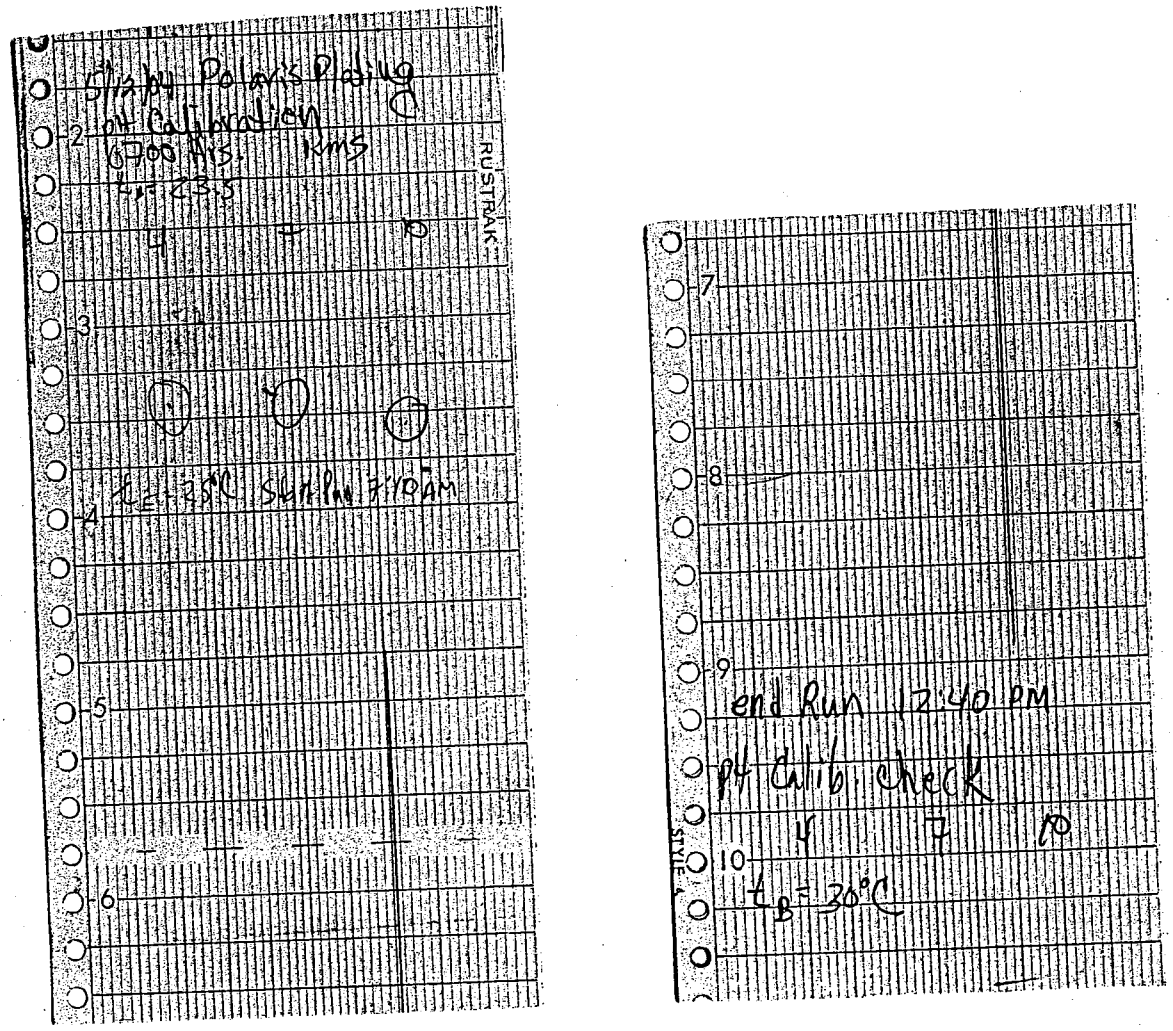


Figure 4 Polaris Plating, Inc.
200 Keen Street, Paterson, NJ 07524
Continuous pH meter strip chart readings for CSI of May 12, 2004

Case Narrative:
Polaris Plating #04050009

The Laboratory has met all data quality objectives, e.g., Target Reporting Limits, Accuracy and Precision, established for this project except where noted below.

Reporting Limits:

Laboratory Sample AF01475 (Field ID 0512 VOA): The sample was diluted due to matrix-related interferences. As a result of the significant dilution, the Laboratory's reporting limit for the Volatile Organic Compounds was raised to 130 ug/L (the standard reporting limit is 5.0 ug/L).

Approval: _____ Date: 7/19/04

U.S. Environmental Protection Agency
Region 2 Laboratory

Data Report: POLARIS PLATING, INC.

Project Number: 04050009

Program: B304

Project Leader: BOURODIMOS

Remark Codes	Explanation
U	THE ANALYTE WAS NOT DETECTED AT OR ABOVE THE REPORTING LIMIT.
J	THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE IS AN ESTIMATE.
UJ	THE ANALYTE WAS NOT DETECTED AT OR ABOVE THE REPORTING LIMIT. THE REPORTING LIMIT IS AN ESTIMATE.
N	THERE IS PRESUMPTIVE EVIDENCE THAT THE ANALYTE IS PRESENT; THE ANALYTE IS REPORTED AS A TENTATIVE IDENTIFICATION.
NJ	THERE IS PRESUMPTIVE EVIDENCE THAT THE ANALYTE IS PRESENT; THE ANALYTE IS REPORTED AS A TENTATIVE IDENTIFICATION. THE REPORTED VALUE IS AN ESTIMATE.
R	THE PRESENCE OR ABSENCE OF THE ANALYTE CANNOT BE DETERMINED FROM THE DATA DUE TO SEVERE QUALITY CONTROL PROBLEMS. THE DATA ARE REJECTED AND CONSIDERED UNUSABLE.
K	THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE MAY BE BIASED HIGH. THE ACTUAL VALUE IS EXPECTED TO BE LESS THAN THE REPORTED VALUE.
L	THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE MAY BE BIASED LOW. THE ACTUAL VALUE IS EXPECTED TO BE GREATER THAN THE REPORTED VALUE.
NV	NOT VALIDATED
INC	RESULT NOT ENTERED

U.S. EPA Region 2 Laboratory
Data Report

Survey Name: POLARIS PLATING, INC.

Project Number: 04050009

*Sorted By Sample ID

AF01474 Field/Station ID: 0512VOABK
Matrix: Aqueous

Date Received: 5/12/2004

Sample Description:

Analysis Type: VOA TCL GCMS AQUEOUS

CAS Number	Analyte Name	Result	Remark Codes	Units
000074873	CHLOROMETHANE	---	5.0U	ug/L
000075014	VINYL CHLORIDE	---	5.0U	ug/L
000074839	BROMOMETHANE	---	5.0U	ug/L
000075003	CHLOROETHANE	---	5.0U	ug/L
000075354	1,1-DICHLOROETHENE	---	5.0U	ug/L
000075150	CARBON DISULFIDE	---	5.0U	ug/L
000067641	ACETONE	---	5.0U	ug/L
000075092	METHYLENE CHLORIDE	---	5.0U	ug/L
000156605	TRANS-1,2-DICHLOROETHENE	---	5.0U	ug/L
000075343	1,1-DICHLOROETHANE	---	5.0U	ug/L
000078933	2-BUTANONE	---	5.0U	ug/L
000067663	CHLOROFORM	---	5.0U	ug/L
000071556	1,1,1-TRICHLOROETHANE	---	5.0U	ug/L
000056235	CARBON TETRACHLORIDE	---	5.0U	ug/L
000107062	1,2-DICHLOROETHANE	---	5.0U	ug/L
000071432	BENZENE	---	5.0U	ug/L
25323-89-1	TRICHLOROETHENE	---	5.0U	ug/L
000078875	1,2-DICHLOROPROPANE	---	5.0U	ug/L
000075274	BROMODICHLOROMETHANE	---	5.0U	ug/L
010061015	1,3-Z-DICHLOROPROPENE	---	5.0U	ug/L
000108101	4-METHYL-2-PENTANONE	---	5.0U	ug/L
000108883	TOLUENE	---	5.0U	ug/L
010061026	1,3-E-DICHLOROPROPENE	---	5.0U	ug/L
000079005	1,1,2-TRICHLOROETHANE	---	5.0U	ug/L
000127184	TETRACHLOROETHENE	---	5.0U	ug/L
000591786	2-HEXANONE	---	5.0U	ug/L
000124481	DIBROMOCHLOROMETHANE	---	5.0U	ug/L
000108907	CHLOROBENZENE	---	5.0U	ug/L
000100414	ETHYLBENZENE	---	5.0U	ug/L
001330207	M+P-XYLENE	---	5.0U	ug/L
000095476	O-XYLENE	---	5.0U	ug/L
000100425	STYRENE	---	5.0U	ug/L
000075252	BROMOFORM	---	5.0U	ug/L
000079345	1,1,2,2-TETRACHLOROETHANE	---	10U	ug/L
1330-20-7	TOTAL XYLENES			

U.S. EPA Region 2 Laboratory
Data Report

Survey Name: POLARIS PLATING, INC.

Project Number: 04050009

*Sorted By Sample ID

AF01475 Field/Station ID: 0512VOA
Matrix: Aqueous(chlor.)
Sample Description:

Date Received: 5/12/2004

Analysis Type: VOA TCL GCMS AQUEOUS

CAS Number	Analyte Name	Result	Remark Codes	Units
000074873	CHLOROMETHANE	---	130U	ug/L
000075014	VINYL CHLORIDE	---	130U	ug/L
000074839	BROMOMETHANE	---	130U	ug/L
000075003	CHLOROETHANE	---	130U	ug/L
000075354	1,1-DICHLOROETHENE	---	130U	ug/L
000075150	CARBON DISULFIDE	---	130U	ug/L
000067641	ACETONE	---	130U	ug/L
000075092	METHYLENE CHLORIDE	---	130U	ug/L
000156605	TRANS-1,2-DICHLOROETHENE	---	130U	ug/L
000075343	1,1-DICHLOROETHANE	---	130U	ug/L
000078933	2-BUTANONE	---	130U	ug/L
000067663	CHLOROFORM	---	130U	ug/L
000071556	1,1,1-TRICHLOROETHANE	---	130U	ug/L
000056235	CARBON TETRACHLORIDE	---	130U	ug/L
000107062	1,2-DICHLOROETHANE	---	130U	ug/L
000071432	BENZENE	---	130U	ug/L
25323-89-1	TRICHLOROETHENE	---	130U	ug/L
000078875	1,2-DICHLOROPROPANE	---	130U	ug/L
000075274	BROMODICHLOROMETHANE	---	130U	ug/L
010061015	1,3-Z-DICHLOROPROPENE	---	130U	ug/L
000108101	4-METHYL-2-PENTANONE	---	130U	ug/L
000108883	TOLUENE	---	130U	ug/L
010061026	1,3-E-DICHLOROPROPENE	---	130U	ug/L
000079005	1,1,2-TRICHLOROETHANE	---	130U	ug/L
000127184	TETRACHLOROETHENE	---	130U	ug/L
000591786	2-HEXANONE	---	130U	ug/L
000124481	DIBROMOCHLOROMETHANE	---	130U	ug/L
000108907	CHLOROBENZENE	---	130U	ug/L
000100414	ETHYLBENZENE	---	130U	ug/L
001330207	M+P-XYLENE	---	130U	ug/L
000095476	O-XYLENE	---	130U	ug/L
000100425	STYRENE	---	130U	ug/L
000075252	BROMOFORM	---	130U	ug/L
000079345	1,1,2,2-TETRACHLOROETHANE	---	130U	ug/L
1330-20-7	TOTAL XYLENES	---	130U	ug/L

Refer to Page 1 for an explanation of Remark Codes
Report Date: 7/19/2004 8:25AM

U.S. EPA Region 2 Laboratory
Data Report

Survey Name: POLARIS PLATING, INC.

Project Number: 04050009

*Sorted By Sample ID

AF01476 Field/Station ID: 0512METALS
Matrix: Aqueous(chlor.)
Sample Description:

Date Received: 5/12/2004

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
007439976	MERCURY	---	0.20U	ug/L

Analysis Type: METAL FINISHING ICP AQUEOUS

CAS Number	Analyte Name	Result	Remark Codes	Units
007440224	SILVER	13	J	ug/L
7440-43-9	CADMIUM	---	4.0U	ug/L
007440473	CHROMIUM	11,000		ug/L
007440508	COPPER	220		ug/L
007440020	NICKEL	300		ug/L
00743992[illegible]	LEAD	88		ug/L
007440666	ZINC	560		ug/L

AF01477 Field/Station ID: 0512NVOA
Matrix: Aqueous(chlor.)
Sample Description:

Date Received: 5/12/2004

Analysis Type: NVOA GCMS AQUEOUS

CAS Number	Analyte Name	Result	Remark Codes	Units
000108952	PHENOL	---	5.2U L	ug/L
000111444	BIS-2CHLOROETHYL ETHER	---	5.2U	ug/L
000095578	2-CHLOROPHENOL	---	5.2U L	ug/L
000541731	1,3-DICHLOROBENZENE	---	5.2U	ug/L
000106467	1,4-DICHLOROBENZENE	---	5.2U	ug/L
000095501	1,2-DICHLOROBENZENE	---	5.2U	ug/L
000100516	BENZYL ALCOHOL	---	5.2U	ug/L
000095487	2-METHYLPHENOL	---	5.2U L	ug/L
000108601	BIS-2(CHLOROISOPROPYL)ETHER	---	5.2U	ug/L
000106445	4-METHYLPHENOL	---	5.2U L	ug/L
000621647	N-NITROSO-DI-N-PROPYLAMINE	---	5.2U	ug/L
000067721	HEXACHLOROETHANE	---	5.2U	ug/L
000098953	NITROBENZENE	---	5.2U	ug/L
000078591	ISOPHORONE	---	5.2U	ug/L
000088755	2-NITROPHENOL	---	5.2U L	ug/L
000105679	2,4-DIMETHYLPHENOL	---	5.2U L	ug/L
000111911	BIS(-2-CHLOROETHOXY)METHANE	---	5.2U	ug/L
000120832	2,4-DICHLOROPHENOL	---	5.2U L	ug/L
000120821	1,2,4-TRICHLOROBENZENE	---	5.2U	ug/L

Refer to Page 1 for an explanation of Remark Codes